



"PATENT"

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF:

Jejelowo, et al.

SERIAL NUMBER: 08/986,696

FILED: December 8, 1997

FOR: Polymerization Catalyst Systems  
and Their Use

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EXAMINER:

R. Rabago

GROUP ART UNIT:

1713

ATTY. DOCKET NO.:

1997U001

DATE:

January 11, 2000

To: Honorable Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

**Response and Amendment under 37 CFR 1.111**

This is in response to the United States Patent and Trademark Office action mailed October 12, 1999. Please amend the above-identified application as follows.

**In the Claims**

Claim 10 (twice amended). A process for polymerizing olefin(s) in the presence of a catalyst system comprising a bulky ligand hafnium [transition metal metallocene-type] metallocene catalyst compound having at least one bulky ligand substituted with at least one linear or iso alkyl group having from 3 to 10 carbon atoms, and an activator.

Claim ~~11~~ (twice amended). The process in accordance with claim ~~10~~ where the linear or iso alkyl group has 3 to 5 carbon atoms.

Claim 12 (twice amended). The process in accordance with claim 10 wherein the bulky ligand is one or more cyclopentadienyl ligands, wherein one of the cyclopentadienyl ligands is substituted with at least one linear or iso alkyl having 3 or 4 carbon atoms.

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